



ISO9001-2015  
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# 承認書

## SPECIFICATION FOR APPROVAL

客户名稱  
CUSTOMER

品名規格  
DESCRIPTION SCRC65A

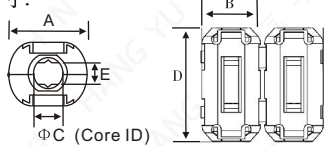
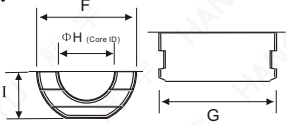
客户料號  
CUS. P/N

提出日期  
DATE 2025.05.12

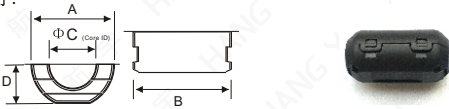
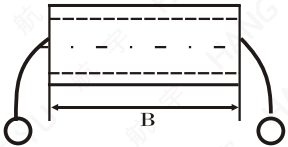
| 出 圖<br>RDAWING |                |                 |
|----------------|----------------|-----------------|
| 發 行<br>MADE    | 復 核<br>CHECKED | 確 認<br>APPROVED |
| 李光赫            | 方煜镗            | 梁琼              |
| 销售部：张 丽        |                |                 |

| 承 認<br>CUSTOMER APPROVE |
|-------------------------|
|                         |

承 認 書  
SPECIFICATION FOR APPROVAL

|                                                                                                                                                                                                                                              |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |                   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------|------------------------|-------------------|------------------------------------|----------------------------------|-------------------|
| 客戶名稱<br>CUSTOMER                                                                                                                                                                                                                             |                                  | 日 期<br>DATE                                                                                                    | 2025.05.12                                      |                                                  |                        |                   |                                    |                                  |                   |
| 規 格<br>ITEM                                                                                                                                                                                                                                  | SCRC65A                          | 編 號<br>SERIAL NO.                                                                                              |                                                 |                                                  |                        |                   |                                    |                                  |                   |
| 1.1. 形狀尺寸(單位/毫米):<br>SHAPE & DIMENSION(unit/mm):<br>外殼尺寸:<br><br>磁芯尺寸:<br> |                                  | 1.2. 實物圖:<br>The Sample::<br> |                                                 |                                                  |                        |                   |                                    |                                  |                   |
|                                                                                                                                                                                                                                              |                                  | A                                                                                                              | 17.8 ± 1.0 mm                                   |                                                  |                        |                   |                                    |                                  |                   |
|                                                                                                                                                                                                                                              |                                  | B                                                                                                              | 16.8 ± 1.0 mm                                   |                                                  |                        |                   |                                    |                                  |                   |
|                                                                                                                                                                                                                                              |                                  | C                                                                                                              | 8.3 ± 0.8 mm                                    |                                                  |                        |                   |                                    |                                  |                   |
|                                                                                                                                                                                                                                              |                                  | D                                                                                                              | 36.6 ± 1.0 mm                                   |                                                  |                        |                   |                                    |                                  |                   |
|                                                                                                                                                                                                                                              |                                  | E                                                                                                              | 3 ± 1.0 mm                                      |                                                  |                        |                   |                                    |                                  |                   |
|                                                                                                                                                                                                                                              |                                  | F                                                                                                              | 14.3 ± 0.5 mm                                   |                                                  |                        |                   |                                    |                                  |                   |
|                                                                                                                                                                                                                                              |                                  | G                                                                                                              | 29 ± 0.7 mm                                     |                                                  |                        |                   |                                    |                                  |                   |
|                                                                                                                                                                                                                                              |                                  | H                                                                                                              | 6.5 ± 0.5 mm                                    |                                                  |                        |                   |                                    |                                  |                   |
|                                                                                                                                                                                                                                              |                                  | I                                                                                                              | 6.7 ± 0.5 mm                                    |                                                  |                        |                   |                                    |                                  |                   |
| 2. 電氣性能檢測項目:<br>ELECTRICAL REQUIREMENTS:                                                                                                                                                                                                     |                                  | 測試儀器<br>TEST INSTRUMENTS                                                                                       |                                                 |                                                  |                        |                   |                                    |                                  |                   |
| <input type="checkbox"/> L                                                                                                                                                                                                                   |                                  | TEST<br>FREQ                                                                                                   | KHZ<br>MHZ                                      |                                                  |                        |                   |                                    |                                  |                   |
| <input type="checkbox"/> Q                                                                                                                                                                                                                   |                                  | TEST<br>FREQ                                                                                                   | KHZ<br>MHZ                                      |                                                  |                        |                   |                                    |                                  |                   |
| <input checked="" type="checkbox"/> Z                                                                                                                                                                                                        | Z1= 85Ω MIN<br>25 MHZ            | Z2= 165Ω MIN<br>100 MHZ                                                                                        |                                                 |                                                  |                        |                   |                                    |                                  |                   |
|                                                                                                                                                                                                                                              | Z3= / KHZ<br>MHZ                 | Z4= / KHZ<br>MHZ                                                                                               |                                                 |                                                  |                        |                   |                                    |                                  |                   |
| 溫度<br>TEMP                                                                                                                                                                                                                                   | ℃                                | 濕 度<br>HUMIDITY                                                                                                | %                                               |                                                  |                        |                   |                                    |                                  |                   |
| 線 組<br>WINDING Φ0.5x0.5TSx100L(mm)                                                                                                                                                                                                           |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |                   |
| 5. 測試儀器<br>TEST INSTRUMENTS                                                                                                                                                                                                                  |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |                   |
| 1. Q-METER:<br>○HP 4342A ○MQ-172                                                                                                                                                                                                             |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |                   |
| 2. L.C.R. METER:<br>○HP 4284A                                                                                                                                                                                                                |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |                   |
| 3. IMPEDANCE ANALYZER:<br>○HP 4396B ○HP 4191A ○E4991A<br>○Agilent 16194A-TESTFIXTURE                                                                                                                                                         |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |                   |
| 4. L-METER:<br>○TH 2817A                                                                                                                                                                                                                     |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |                   |
| 5. DIGITAL MINI-OHMMETER:<br>○VP2941A                                                                                                                                                                                                        |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |                   |
| 3. 外觀標準: 依下表對照檢索:<br>THE LIMIT OF BREAKAGE: CHECKED BELOW:                                                                                                                                                                                   |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |                   |
| OD<br>(mm)                                                                                                                                                                                                                                   | 0~5                              | 5.1~10                                                                                                         | 10.1~15                                         | 15.1~20                                          | 20.1~25                | 25.1~30           | 30.1~35                            | 35以上                             |                   |
| 缺陷面积<br>Defect area<br>(mm²)                                                                                                                                                                                                                 | ≤1                               | ≤2                                                                                                             | ≤3                                              | ≤4                                               | ≤5                     | ≤6                | ≤7                                 | ≤8                               |                   |
| 缺陷个数<br>Number of<br>defects<br>(≦)                                                                                                                                                                                                          | 1                                | 2                                                                                                              | 3                                               | 3                                                | 3                      | 3                 | 2                                  | 2                                |                   |
| 4.材質特性 MATERIAL CHARACTERISTICS                                                                                                                                                                                                              |                                  |                                                                                                                |                                                 |                                                  |                        |                   |                                    |                                  |                   |
| 材料<br>牌號<br>Mate-<br>rial                                                                                                                                                                                                                    | 初始磁導率<br>Initial<br>Permeability | 比損耗因子<br>Relative<br>Loss Factor                                                                               | 比溫度系數<br>Relative<br>Temperature<br>Coefficient | 飽和磁通密度<br>Saturation<br>Magnetic Flux<br>Density | 剩 磁<br>Reman-<br>-ence | 矯頑力<br>Coercivity | 居裏溫度<br>Curie<br>Tempera-<br>-ture | 電阻率<br>Electrical<br>Resistivity | 密度<br>Density     |
| Unit                                                                                                                                                                                                                                         | μ <sub>i</sub>                   | Tan δ / μ <sub>i</sub>                                                                                         | α μ <sub>i</sub> γ                              | B <sub>s</sub>                                   | Br                     | HC                | T <sub>c</sub>                     | ρ                                | d                 |
| symbol                                                                                                                                                                                                                                       | ±20%                             | ×10 <sup>-6</sup>                                                                                              | ×10 <sup>-6</sup>                               | (MT)                                             | (MT)                   | (A/m)             | (℃)                                | (Ω · m)                          | g/cm <sup>3</sup> |
|                                                                                                                                                                                                                                              | 850                              | 16 (0.1MHz)                                                                                                    | 5 - 10                                          | 280(1600A/m)                                     | 200                    | 20                | >130                               | >10 <sup>5</sup>                 | 4.6               |

檢驗數據  
INSPECTION DATA

|                                                 |                                  |                    |                |                                                                                                                                                     |                |      |                 |       |  |  |  |
|-------------------------------------------------|----------------------------------|--------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------|-----------------|-------|--|--|--|
| 客戶名稱<br>CUSTOMER                                |                                  |                    |                | 日期<br>DATE                                                                                                                                          | 2025.05.12     |      | 數量<br>QUANTITY  | 10PCS |  |  |  |
| 編號<br>SERIAL NO.                                |                                  |                    |                | 形狀尺寸(單位/毫米):<br>SHAPE & DIMENSION(unit/mm): 實物圖:<br><br>磁芯尺寸:<br> |                |      |                 |       |  |  |  |
| 規格<br>ITEM                                      | SCRC65A                          |                    |                |                                                                                                                                                     |                |      |                 |       |  |  |  |
| 線組<br>WINDING                                   | Φ0.5x0.5TSx100L(mm)              |                    |                |                                                                                                                                                     |                |      |                 |       |  |  |  |
| 測試頻率<br>TEST FREQ                               | Z1= kHz<br>25 MHZ                | Z2= kHz<br>100 MHZ | Z3= kHz<br>MHZ |                                                                                                                                                     |                |      |                 |       |  |  |  |
| 溫度<br>TEMP                                      | ℃                                | 濕度<br>HUMIDITY     | %              |                                                                                                                                                     |                |      |                 |       |  |  |  |
| 項目<br>TEST ITEM                                 | 電氣性能<br>ELECTRIC CHARACTERISTICS |                    |                | 尺寸(單位:毫米)<br>DIMENSION(unit:mm)                                                                                                                     |                |      |                 |       |  |  |  |
|                                                 | Z1(Ω)                            | Z2(Ω)              | Z3(Ω)          | A                                                                                                                                                   | B              | C    | D               |       |  |  |  |
|                                                 | 85                               | 165                |                | 14.3                                                                                                                                                | 29             | 6.5  | 6.7             |       |  |  |  |
| +                                               | /                                | /                  |                | 0.5                                                                                                                                                 | 0.7            | 0.5  | 0.5             |       |  |  |  |
| -                                               | 0                                | 0                  |                | 0.5                                                                                                                                                 | 0.7            | 0.5  | 0.5             |       |  |  |  |
| 1                                               | 139.2                            | 219.6              |                | 14.45                                                                                                                                               | 29.28          | 6.71 | 6.42            |       |  |  |  |
| 2                                               | 137.2                            | 220.0              |                | 14.39                                                                                                                                               | 29.33          | 6.85 | 6.25            |       |  |  |  |
| 3                                               | 140.8                            | 217.5              |                | 14.24                                                                                                                                               | 29.27          | 6.80 | 6.33            |       |  |  |  |
| 4                                               | 139.2                            | 216.3              |                | 14.42                                                                                                                                               | 29.26          | 6.84 | 6.32            |       |  |  |  |
| 5                                               | 138.5                            | 218.5              |                | 14.35                                                                                                                                               | 29.25          | 6.79 | 6.44            |       |  |  |  |
| 6                                               | 137.9                            | 217.5              |                | 14.32                                                                                                                                               | 29.27          | 6.78 | 6.25            |       |  |  |  |
| 7                                               | 136.5                            | 216.5              |                | 14.25                                                                                                                                               | 29.35          | 6.84 | 6.26            |       |  |  |  |
| 8                                               | 139.5                            | 219.5              |                | 14.36                                                                                                                                               | 29.24          | 6.82 | 6.33            |       |  |  |  |
| 9                                               | 140.2                            | 218.4              |                | 14.29                                                                                                                                               | 29.32          | 6.81 | 6.32            |       |  |  |  |
| 10                                              | 140.6                            | 217.6              |                | 14.42                                                                                                                                               | 29.25          | 6.79 | 6.35            |       |  |  |  |
| X̄                                              | 138.96                           | 218.14             |                | 14.35                                                                                                                                               | 29.28          | 6.80 | 6.33            |       |  |  |  |
| Y/N                                             | Y                                | Y                  |                | Y                                                                                                                                                   | Y              | Y    | Y               |       |  |  |  |
| 測試儀器:<br>TEST INSTRUMENTS:<br><br>E4991A+16194A |                                  |                    |                |                                                                  |                |      |                 |       |  |  |  |
|                                                 |                                  |                    |                |                                                                                                                                                     |                |      |                 |       |  |  |  |
|                                                 |                                  |                    |                | 檢 驗<br>INSPECTED                                                                                                                                    | 復 核<br>CHECKED |      | 確 認<br>APPROVED |       |  |  |  |
|                                                 |                                  |                    |                | 李光赫                                                                                                                                                 |                | 方煜鎰  |                 | 梁琮    |  |  |  |

阻抗 - 頻率曲綫  
IMPEDANCE V.S FREQUENCY (Z-Y)

